INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29827

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B66B 13/12, 13/16 US CL : 187/309, 319, 330, 335, 401 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 187/309, 319, 330, 335, 401, 316, 317				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a		Relevant to claim No.	
Α	US 3,447,704 A (Guilbert, Jr.) 03 June 1969 (03.06	.1969), whole document.	1	
A	US 4,926,975 A (Morris) 22 May 1990 (22.05.1990	NONE		
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Further	documents are listed in the continuation of Box C.	See patent family annex.		
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date		date and not in conflict with the applic principle or theory underlying the inve "X" document of particular relevance; the	document published after the international filing date or priority and not in conflict with the application but cited to understand the ciple or theory underlying the invention ument of particular relevance; the claimed invention cannot be idered novel or cannot be considered to involve an inventive step	
"L" document	plication or patent published on or after the international filing date t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	when the document is taken alone "Y" document of particular relevance; the		
specified)		considered to involve an inventive step combined with one or more other such being obvious to a person skilled in the	when the document is documents, such combination	
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		Date of mailing of the international search report		
23 February 2004 (23.02.2004) Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Fileen D. Lillis				
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Eileen D. Lillis Telephone No. 703-308-1113	Sotar	

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